

Apache Flink Word Count App

User

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Generate a Apache Flink application using Scala language to solve the problem! Given a plain text UTF-8 file URL and a output CSV file URL, write in the output file the occurrence sum of each word in the input file.

Assistant Gemini 2.0 Flash Experimental

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```
```scala import org.apache.flink.api.scala._ object WordCount { def main(args: Array[String]) {
val inputPath = "/path/to/input/file" // Replace with your input file path val outputPath =
"/path/to/output/file" // Replace with your desired output path val env =
ExecutionEnvironment.getExecutionEnvironment // get input data val text =
env.readTextFile(inputPath) val counts = text.flatMap { _.toLowerCase.split("\\W+") filter {
.nonEmpty } } .map { (, 1) } .groupByKey().sum(1) counts.writeAsCsv(outputPath, "\n", " ")
env.execute("WordCount") } }``` This code reads a text file, splits it into words, counts the
occurrences of each word, and then writes the results to a CSV file [examples.md]. You need to
replace `/path/to/input/file` and `/path/to/output/file` with the actual paths for your input and
output files.
```